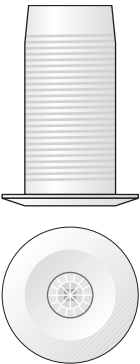![ingenium logo](www.ingeniumsl.com)

➡ LDRBUS

BUSing® Light Level Sensor

Controls the installation according to the level of light measured.

· *Light level sensor for BUSing® connection*

· *Discreet digital PI regulator*

· *2 operational modes: linear mode and threshold mode*

· *Admits Lineal, on/off, or Sectorial controls*

· *Mounted embedded in ceilings or walls*

· *Size: Embedded Ø25mm - Seen Ø36mm - Length 50mm*

Description

Light level sensor with regulator incorporated that controls lighting loads according to the level of light available.

It can be used to maintain an even lighting level in rooms, using regulated lighting controlled by BUSing® .

With the regulator parameters correctly adjusted, light levels in rooms can be maintained regardless of natural light available.

In combination with a presence detector (reference: SRBUS, Sif-BUS, etc.) Luminaires can be controlled according to presence and light simultaneously.

Inputs

· Photodiode type light level detector; sensitivity: 0–6000lux.

Outputs

· BUSing® events as programmed with the parameters in the device.

Technical Characteristics

Device Reference	Voltage Supply	Current Consumption	Light Sensitivity
LDRBUS	9–16V DC (BUS)	40mA (BUS)	0–6000lux

Operating Modes

· *Linear Mode: The device maintains, automatically, the level of light indicated at the input, acting on the devices it controls (according to the fixed regulation law in the fixed parameters of the PI).*

The devices that it has to control are programmed as a list of elements using the Development System (SIDE).

· *Threshold Mode: Admits 4 scenes to be programmed, which will be executed when the lighting is between configurable values. In this mode you can control on/off points working as a twi-light switch.*

· *Off Mode: The device does not execute any action but it continues measuring light level.*

➡ LDRBUS

Installation

LDR output wiring
Connection to BUSing®
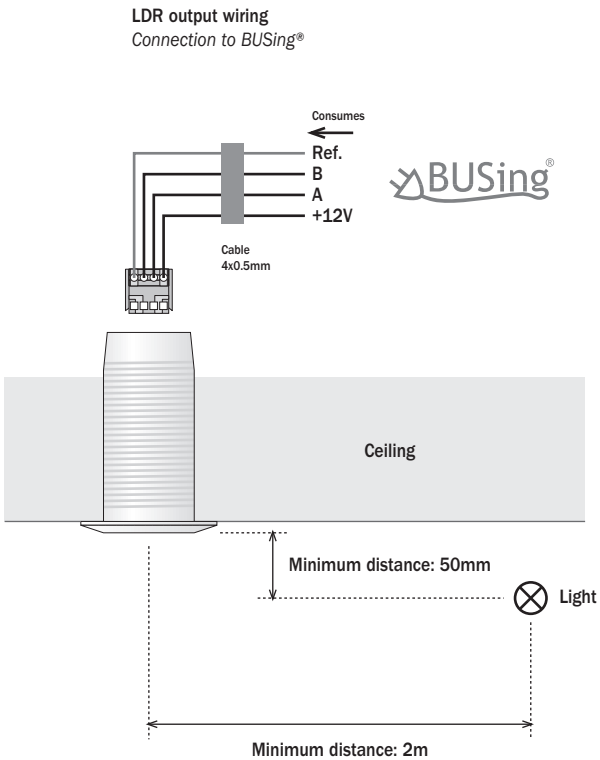
Installation embedded in the ceiling
It is important to avoid direct interference with the lights.

Exterior installation
Use translucent isolated box.